

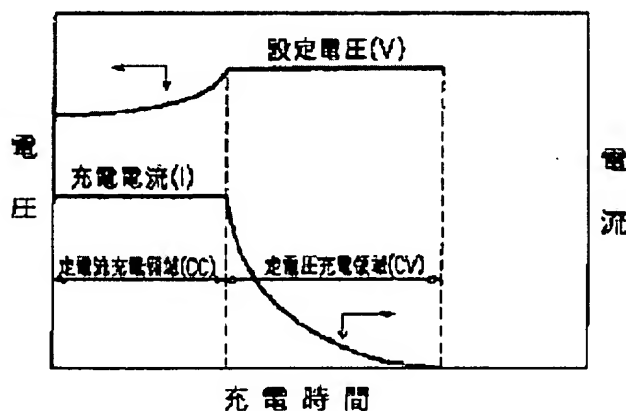
CHARGING METHOD FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

Patent number: JP2000173669
Publication date: 2000-06-23
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Classification:
- **international:** H01M10/44; H01M4/02; H01M4/38; H01M4/42; H01M10/40; H02J7/10
- **european:**
Application number: JP19980342889 19981202
Priority number(s): JP19980342889 19981202

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Abstract of JP2000173669

PROBLEM TO BE SOLVED: To improve a charging/discharging cycle life characteristics of a battery, using silicon and zinc for a negative electrode. **SOLUTION:** In charging a secondary battery provided with a composite particle, in which the whole or a part of the circumference of a nuclear particle consisting of a solid phase A using silicon or zinc is covered by a solid phase B, in a negative electrode, a constant current charging area, in which charging is carried out at a fixed current value I until a set voltage E is attained, and a constant voltage charging area, in which charging is carried out at the set voltage E after the set voltage E is attained, are combined together for charging, and a charging current value in the constant current charging area and the constant voltage charging area is regulated to 5 mA/cm² or less in the form of current density for a part, in which the positive and negative electrodes are opposed to each other.



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